

Sequence Listing

<110> CHO-A PHARM CO., LTD.
KIM, Jin Hoi

<120> Porcine uroplakin II promoter and the production method of useful
proteins using said promoter

<130> 03PP181

<150> KR 10-2002-0067856
<151> 2002-11-04

<150> KR 10-2003-0077256
<151> 2003-11-03

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<170> KopatentIn 1.71

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<221> promoter
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<223> porcine uroplakin II promoter

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Sequence Listing

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<301> Lin, F. K.

Sequence Listing

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Lin, C. H.
Browne, J. K.
Smalling, R.
Egrie, J. C.
Chen, K. K.
Fox, G. M.
Martin, F.
Stabinsky, Z.

<302> Cloning and expression of the human erythropoietin gene

<303> Proc. Natl. Acad. Sci. U.S.A.

<304> 82

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tcaataatat taaaaaaagga agagtcctga ggccggaaaga accagctgtg gaatgtgtgt 180

cagtttagggt gtggaaagtc cccaggctcc ccagcaggca gaagtatgca aagcatgcat 240

Sequence Listing

ctcaattagt cagcaaccag gtgtggaaag tccccaggct ccccagcagg cagaagtatg	300
caaagcatgc atctcaatta gtcagcaacc atagtcccgc ccctaactcc gcccatcccg	360
ccccctaactc cgcccagttc cgccccattctt ccgccccatg gctgactaat tttttttatt	420
tatgcagagg ccgaggccgc ctccggctct gagctattcc agaagttagtg aggaggctt	480
tttggaggcc taggcttttcaaagatcga tcaagagaca ggatgaggat cgtttcgcatt	540
gattgaacaa gatggattgc acgcaggttc tccggccgct tgggtggaga ggctattcgg	600
ctatgactgg gcacaacaga caatcggtcg ctctgatgcc gccgtgttcc ggctgtcagc	660
gcagggggcgc ccgggttcttt ttgtcaagac cgacctgtcc ggtgccttga atgaactgca	720
agacgaggca gcgcggctat cgtggctggc cacgacgggc gttccttgcg cagctgtgct	780
cgacgttgta actgaagcgg gaaggactg gctgctattt ggcgaagtgc cggggcagga	840
tctcctgtca tctcaccttgc tccctgcccga gaaagtatcc atcatggctg atgcaatgcg	900
gcggctgcatt acgcttgate cggcttacccccc cccattcgac caccaagcga aacatcgcat	960
cggcggagca cgtactcgga tggaaagccgg tcttgcgtat caggatgatc tggacgaaga	1020
gcattcagggg ctcgcgcagg ccgaactgtt cgccaggctc aaggcgagca tgcccgacgg	1080
cgaggatctc gtcgtgaccc atggcgatgc ctgcttgcgg aatatcatgg tggaaaatgg	1140
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cgtgctttac ggtatcgccg ctcccgatcc gcagcgcatc gccttctatc gccttcttga	1320
cgagtttttc tgagcgggac tctggggttc gaaatgaccg accaagcgcac gccaacacctg	1380
ccatcacgag atttcgatcc caccgcggcc ttcttatgaaa ggttggctt cggaaatcgtt	1440

Sequence Listing

tccggggacg ccggctggat gatccctccag cgccccggatc tcatgctgga gttttcgcc	1500
cacccttaggg ggaggctaac taaaacacgg aaggagacaa tacggaaagg aacccgcgt	1560
atgacggcaa taaaagaca gaataaaacg cacgggttg ggtcgtttgt tcataaacgc	1620
ggggttcgtt cccagggctg gcactctgtc gataccccac cgagacccca ttggggccaa	1680
tacgcccgcg ttttttctt ttccccaccc cacccccaa gttcgggtga aggccccagg	1740
ctcgagcca acgtcggggc ggcagggcct gccatagcct caggttactc atatatactt	1800
tagattgatt taaaacttca ttttaattt aaaaggatct aggtgaagat ccttttgat	1860
aatctcatga cccaaatccc ttaacgtgag tttcgttcc actgagcgtc cgatcg	1916

<210> 6

<211> 2254

<212> DNA

<213> Artificial Sequence

<220>

<223> Cloning vector pEGFP-N1, complete sequence, enhanced green
fluorescent protein (egfp) and neomycin phosphotransferase genes

<400> 6

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cgctaggggc agcagcgagc cgcccggggc tccgctccgg tccggcgctc ccccccgcac	120
cccgagccgg cagcggtcgcc ggacagcccg ggacacgggaa aggtggcacg ggatcgctt	180
ctctgaacg ctctcgctg ctcttgagc ctgcagacac ctggggggat acggggaaaa	240
gttttaggc tgaaagagag atttagaatg acagaatcat agaacggcct gggttgc当地	300
tgagcacagt gctcatccag atccaaacccc ctgctatgtc cagggtcatc aaccagcagc	360

Sequence Listing

ccaggctgcc cagagccaca tccagcctgg ccttgaatgc ctgcaggat ggggcatcca 420
cagcctcctt gggcaacctg ttcaagtgcgt caccaccctc tgggggaaaa actgcctcct 480
catatccaaac ccaaaccctcc cctgtctcag tgtaaagcca ttcccccttg tccttatcaag 540
ggggagtttgc tggcacatt gttggctctgg ggtgacacat gtttgc当地 tcagtgc当地 600
acggagagggc agatcttggg gataaggaag tgcaggacag catggacgtg ggacatgcag 660
gtgtttagggg ctctgggaca ctctccaagt cacagcggttc agaacagcct taaggataag 720
aagataggat agaaggacaa agagcaagtt aaaacccagc atggagagga gcacaaaaag 780
gccacagaca ctgctggtcc ctgtgtctga gcctgc当地 gtatgggtt ctggatgcaa 840
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ggcagctgtg ccactgc当地 accgctctt ggagaaggta aatcttgc当地 aatccagccc 1140
gaccctcccc tggcacaacg taaggccatt atctctc当地 caactccagg acggagtcag 1200
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tcgctttctt ctgaacgctt ctgc当地 ctttgc当地 cagacacctg gggggatacg 1440
gggaaaaagc tttaggctga aagagagatt tagaatgaca gaatcataga acggcctggg 1500
ttgcaaagga gcacagtgct catccagatc caacccctg ctagtgc当地 ggtcatcaac 1560

Sequence Listing

cagcagccca ggctgcccag agccacatcc agcctggcct tgaatgcctg caggatggg	1620
gcatccacag ctccttggg caacctgttc agtgcgtcac caccctctgg gggaaaaact	1680
gcctcctcat atccaaccca aacccccct gtctcagtgt aaagccattc ccccttgc	1740
tatcaagggg gagtttgctg tgacattgtt ggtctgggt gacacatgtt tgccattca	1800
gtgcacatcag gagaggcaga tcttgggat aaggaagtgc aggacagcat ggacgtggaa	1860
catgcagggtg ttgagggctc tggacactc tccaaagtac acgcgttca aacgccttaa	1920
ggataagaag ataggataga aggacaaaga gcaagttaaa acccagcatg gagaggagca	1980
caaaaaggcc acagacactg ctggccctg tgtctgagcc tgcatgttg atggtgtctg	2040
gatgcaagca gaaggggtcc atgtccctca gtgccacatc cccacagtcc ttcatcacct	2100
ccagggacgg tgacccccc acctccgtgg gcagctgtgc cactgcagca ccgcctttg	2160
gagaaggtaa atcttgctaa atccagcccg accccccct ggcacaacgt aaggccatta	2220
tctctcatcc aactccagga acggagtcag tgag	2254

<210>	7
<211>	632
<212>	DNA
<213>	Woodchuck hepatitis B virus
<220>	
<221>	misc_signal
<222>	(1)..(632)
<223>	woodchuck hepatitis virus posttranscriptional regulatory element

<400>	7
accaggttct gttcctgtta atcaacctct ggattacaaa atttgtaaaa gattgactgg	60

Sequence Listing

tattcttaac tatgttgctc ctttacgct atgtggatac gctgcttaa tgcctttgta 120
tcatgttatt gcttcccgta tggctttcat tttctctcc ttgtataaaat cctgggtgtc 180
gtctctttat gaggagttgt ggcccgttgt caggcaacgt ggcgtggtgt gcactgtgtt 240
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gtcccttcca tggctgtcg cctgtgttc cacctggatt ctgcgcggga cgtccttctg 480
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gccccctctt ccgcgttttc gccttcgccc tcagacgagt cggatctccc tttggccgc 600
ctccccgctt gtttcgcctc gggotccctcg ag 632

<210> 8

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> forward primer for amplifying neomycin resistant gene

<400> 8

gcggccgcgc gcgtcagggtg gcac 24

<210> 9

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

Sequence Listing

<223> reverse primer for amplifying neomycin resistant gene

<400> 9

cgatcggacg ctcagtggaa cgaaaactc

29

<210> 10

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> forward primer for amplifying chicken B-globin insulator

<400> 10

tgcactctag agggacag

18

<210> 11

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> reverse primer for amplifying chicken B-globin insulator

<400> 11

ctcactgact ccgttccct

18

<210> 12

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> forward primer for amplifying woodchuck hepatitis virus

Sequence Listing

posttranscriptional regulatory element

<400> 12
accagggtct gttccctgtta atcaacacctc

29

<210> 13
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> reverse primer for amplifying woodchuck hepatitis virus
posttranscriptional regulatory element

:400> 13
:tcgaggagc ccgaggcgaa acaggcg

27